Common Name(s): SBDU-DMRIE, Butane bis-DU-DMRIE

CAS Name: 1,4-Bis-(N'-butyl-(4-(N,N-dimethyl-2,3-bis(dodecyloxy)-1-propanaminium))-ureyl-butane

Molecular Formula: C<sub>80</sub>H<sub>166</sub>O<sub>6</sub>N<sub>6</sub>

Common Name(s): SHGU-DMRIE, Hexane bis-1,6-GU-DMRIE

CAS Name: 1,6-Bis-(N'-propyl-(3-(N,N-dimethyl-2,3-bis(dodecyloxy)-1-propanaminium))-ureyl-hexane

Molecular Formula: C<sub>80</sub>H<sub>166</sub>O<sub>6</sub>N<sub>6</sub>

Common Name(s): SBGU-DMRIE, Butane bis-GU-DMRIE

CAS Name: 1,4-Bis-(N'-propyl-(3-(N,N-dimethyl-2,3-bis(dodecyloxy)-1-propanaminium))-ureyl-butane

Molecular Formula: C78H162O6N6

FIGURE 1

(±)-N-[4-(N-yptophanylaminopropyl))-N',N'-dimethyl-2',3'-bis(telescyloxy)-1 propanaminiumyl]-N,N-dimethyl-2,3-bis(tetradecyloxy)-1-propanaminium bromide CAS Name: (±)-N-{4-(N

Molecular Formula: C<sub>84</sub>H<sub>160</sub>Br<sub>2</sub>N<sub>5</sub>O<sub>6</sub>

Compound

Common Name(s): PentaEG-bis-DMRIE

Penta(ethylene glycol),  $\alpha, \omega$ -bis-( $\pm$ )-N-(2-Hydroxyethyl)-N,N-dimethyl-2,3-bis(tetradecyloxy)-1-CAS Name:

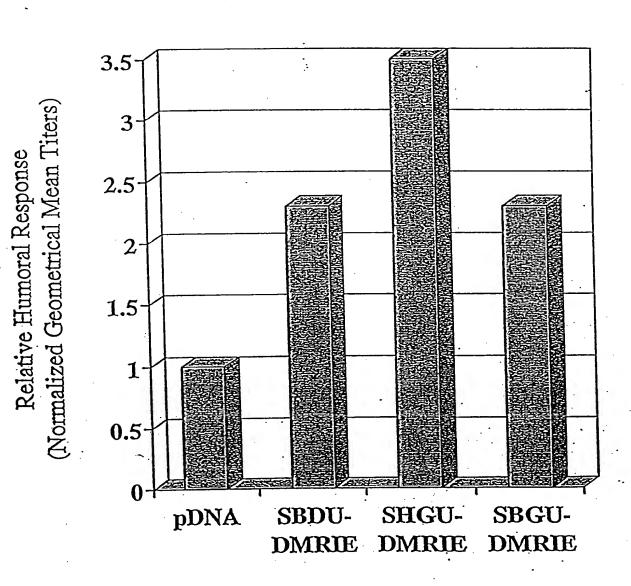
propanaminium bromide ether

Common Name(s): PEG34-bis-But-DMRIE-propylamide

CAS Poly(ethylene glycol)-34 bis-{(±)-N-(N'-propylbutyramido)-N,N-dimethyl-2,3-Name: bis(tetradecyloxy)-1-propanaminium bromide]

FIGURE 1B

FIGURE 2



In Vivo Transfection (Sub-cutaneous Melanoma Model)

Relative Transgene Expression (µgr CAT from pDNA ÷ µgr CAT from pDNA)

